

WEST Search History

DATE: Wednesday, May 12, 2004

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L18	(3852192 3961908 4406742 4895176 5018551 5267455 5586456 5858022 5922247 6200943)![pn]	10
<input type="checkbox"/>	L17	6734112	1
<i>DB=PGPB; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L16	L15 and photoresist	1
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<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L14	L11 and 134/\$.ccls.	0
<input type="checkbox"/>	L13	L11 and clean\$.ti.	0
<input type="checkbox"/>	L12	L11 and photoresist	0
<input type="checkbox"/>	L11	L10 with gas	58
<input type="checkbox"/>	L10	solvent near expan\$	442
<input type="checkbox"/>	L9	solvent with expan\$	4679
<input type="checkbox"/>	L8	gas-expanded ethanol	0
<input type="checkbox"/>	L7	gas-expanded methanol	0
<input type="checkbox"/>	L6	gas-expanded solvent	0
<input type="checkbox"/>	L5	L3 and clean\$	14
<input type="checkbox"/>	L4	L3 and photoresist	0
<input type="checkbox"/>	L3	gas-expanded	137
<input type="checkbox"/>	L2	gas-expanded liquid	5
<input type="checkbox"/>	L1	gas-expended liquid	0

END OF SEARCH HISTORY

FILE 'CA' ENTERED AT 14:12:47 ON 12 MAY 2004

L1 1 S GAS EXPANDED LIQUID

L2 1 S SOLVENT EXPANSION AND SOLUTE SOLUBILITY

L2 ANSWER 1 OF 1 CA COPYRIGHT 2004 ACS on STN
AN 113:62140 CA
ED Entered STN: 17 Aug 1990
TI **Solvent expansion and solute**
AU Chang, Chiehming J.; Randolph, Alan D.
CS Dep. Chem. Eng., Univ. Arizona, Tucson, AZ, 85721, USA
SO AIChE Journal (1990), 36(6), 939-42
CODEN: AICEAC; ISSN: 0001-1541
DT Journal
LA English
CC 48-11 (Unit Operations and Processes)
AB The expansion of binary systems (e.g., PhMe-CO₂ and BuOH-CO₂) in the miscible liquid-phase region and solubility of the solute (e.g., β-carotene in PhMe and acetaminophen in BuOH) in the liquid phase are studied. **Solvent expansion** at 298 K, solid solubility in the gas antisolvent addition for liquid-phase precipitation of solids, partial molar volume changes in the gas antisolvent addition process, and crystallization kinetics in the gas antisolvent addition recrystn. are presented graphically and discussed.
ST **solvent expansion** gas expanded liq; solute soly gas
expanded liq
IT Solvents
(expansion of, determination of, in gas-expanded liqs.)
IT Expansion, Dilation, and Elongation
(of binary solvents, in gas-expanded liqs.)
IT Solubility
(of solute, determination of, in gas-expanded liquid)
IT Solutes
(solubility of, determination of, in gas-expanded liqs.)
IT 71-36-3, Butanol, properties 108-88-3, Toluene, properties 124-38-9,
Carbon dioxide, properties
RL: PRP (Properties)
(expansion of, determination of, in gas-expanded liqs.)
IT 103-90-2
RL: PRP (Properties)
(solubility of, determination of, in butanol)
IT 7235-40-7, β-Carotene
RL: PRP (Properties)
(solubility of, determination of, in toluene)

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